

**IN THE SPECIFICATION:**

The specification as amended below with replacement paragraph show added text with underlining and deleted text with ~~strikethrough~~.

Please AMEND paragraph [0022], as follows:

[0022] The illumination optical system 101 includes a light source 31 emitting the light including a plurality of red, green, and blue light beams. The illumination optical system 101 can also include a collimating lens, which collimates the light, or a relay lens, which shapes the light, in front of the light source 31 to uniformly emit the light toward the image optical system 103. In addition, the illumination optical system 101 can also include a color separation optical device, ~~which includes such as a color filter, a dichroic mirror, and/or a dichroic prism to separate the red, green, and blue light beams from a white light emitted from the light source 31, so that the different color light beams can travel through different optical paths.~~ A high-luminance white light source, such as a metal halide lamp, a xenon lamp, or a halogen lamp, can be used as the light source 31.